SHARP

# ZY-1000S

## ADVANCED COMPUTING AND WORD PROCESSING THAT'S TYPEWRITER SIMPLE

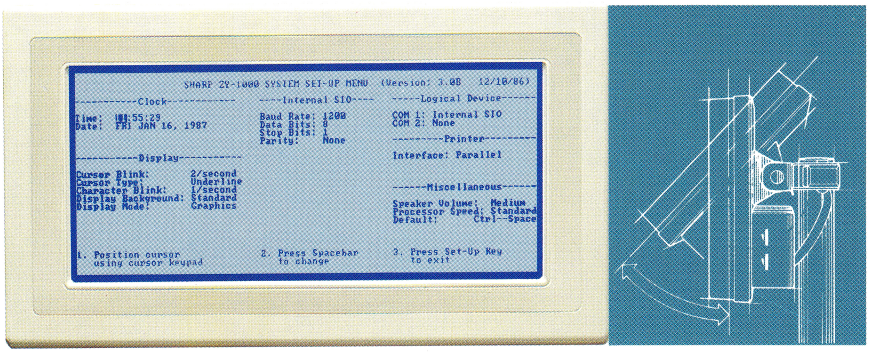
Col 1 Ln 1 Pg 1 File menu.b
Date: November 4, 1986
Our Ref. MG-4774
Mr. Frank Kensit,
Manager Purchasing Dept.
Moonlighting & Co.
13886 Aurora Park
Sea of Tranquility
Dear Mr. Kensit,
SHARP
ZY-1000S
A
B

# ZY-1000S

# A SENSIBLE AND EASY WAY TO INCREASE YOUR BUSINESS PRODUCTIVITY

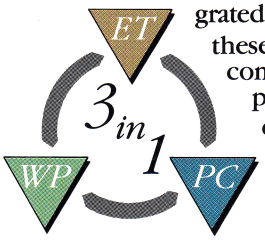
The ZY-1000S PC Typewriter's powerful word processor editing features and sophisticated personal computer capabilities are combined in a single unit with an easy-to-use electronic typewriter. By integrating the office's most needed functions into one machine, the ZY-1000S achieves impressive benefits in versatility, space efficiency, and cost. Bringing together typewriter simplicity with integrated IBM® PC™ compatibility and advanced editing, formatting, printing, and filling features, the ZY-1000S gives you the power to produce.

# The Power and Ease of an Integrated System for Better Efficiency and Organization






The integrated capabilities of an easy-to-use electronic typewriter, powerful word processor and personal computer make the ZY-1000S a unique tool for increased office productivity. The conventional office uses a typewriter to address envelopes, a word processor to edit documents, and a personal computer to manipulate data. With the integrated ZY-1000S, all these tasks can be completed by one person at one desk, saving time and increasing productivity.



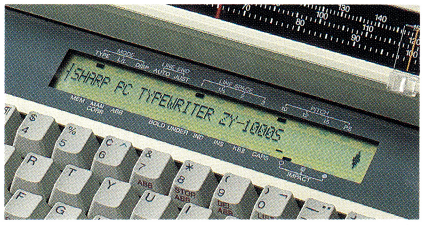

## Easy-to-Use Performance

A standard typwriter keyboard makes the ZY-1000S's layout familiar to anyone who can type. For one-touch operation there are also clearly marked and color coded function keys on both the right and left sides of the keyboard.

## Dual Ergonomic Displays

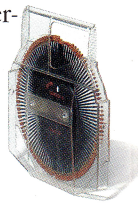
■ **An Illuminated Supertwist Crystal Display** (80-character by 25-line) provides high-contrast monitor performance in the word processor and personal computer modes.

■ **A 40-character LCD** displays typed text for correction or revision before printing in the electronic typewriter mode.

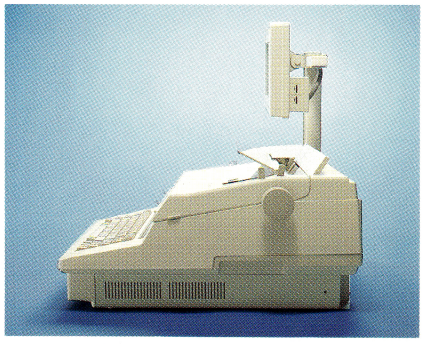



## Daisywheel Print Quality

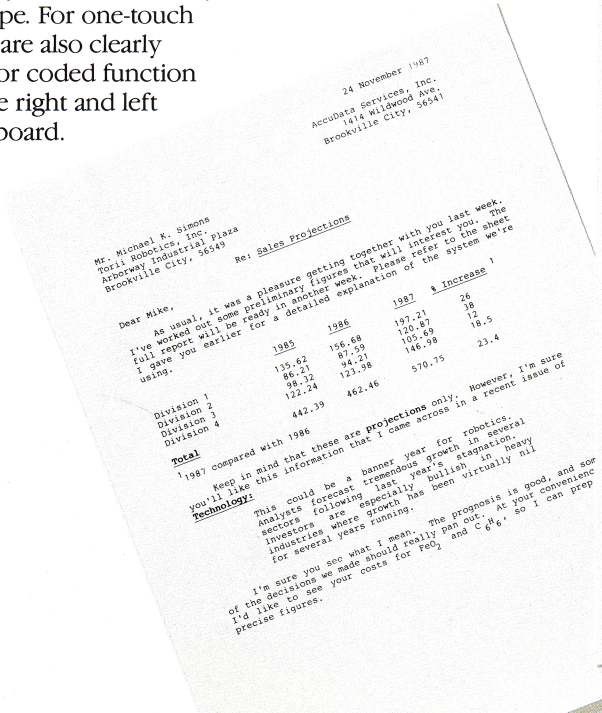
The 112-character daisy-wheel print mechanism and a broad choice of printwheel fonts makes letter-quality print that computer printers can't match, giving your documents a sophisticated professional finish.



## Space-Saving Design



The ZY-1000S gives you the advantages of three office machines but only occupies the space of an electronic typewriter. Its single unit design requires much less space than the conventional combination of a personal computer, display and printer, leaving you more room on your desk.



24 November 1987

Accudata Services, Inc.
1414 Wildwood Ave.
Brookville City, 56541

Mr. Michael K. Simons
Toril Robotics, Inc.
Arborway Industrial Plaza
Brookville City, 56549

Re: Sales Projections

Dear Mike,

As usual, it was a pleasure getting together with you last week. I've worked out some preliminary figures that will interest you. The full report will be ready in another week. Please refer to the sheet I gave you earlier for a detailed explanation of the system we're using.

| | 1985 | 1986 | 1987 | % increase |
|---|---|---|---|---|
| Division 1 | 135.62 | 156.68 | 197.21 | 26 |
| Division 2 | 86.21 | 87.59 | 120.67 | 38 |
| Division 3 | 98.32 | 94.21 | 105.69 | 12 |
| Division 4 | 122.24 | 123.98 | 146.98 | 18.5 |
| **Total** | 442.39 | 462.46 | 570.75 | 23.4 |

1987 compared with 1986

Keep in mind that these are **projections** only. However, I'm sure you'll like this information that I came across in a recent issue of **Technology:**

This could be a banner year for robotics. Analysts forecast tremendous growth in several sectors following last year's stagnation. Investors are especially bullish in industries where growth has been virtually nil for several years running.

I'm sure you see what I mean. The prognosis is good, and some of the decisions we made should really pan out. At your convenience I'd like to see your costs for $FeO_3$ and $C_6H_6$, so I can prepare precise figures.

SHARP

SHARP CORPORATION
22-22, Nagaike-cho, Abeno-ku, Osaka
545, Japan
Cable Address: LABOMET OSAKA
Telex: J63428 LABOMET

Date: November 4, 1987
Our Ref. MG-477

Mr. Frank Kensit,
Manager Purchasing Dept.
Moonlighting & Co.
13886 Aurora Park,
Sea of Tranquility

Dear Mr. Kensit,

Thank you for your letter dated October 21., 1986 referring to our last discussion held in Dariensdale.

We note the present situation regarding new development and will be looking forward to hearing from you concerning your proposal around early next year. In the meantime please feel free to contact us if there is anything we can be of your help.

Int'l Sales Dept.
- Computer Systems
Information Systems Group

## ET Sophisticated Electronic Typewriter Functions

In electronic typewriter mode, ZY-1000S gives you document editing control with a wide range of automated features.

**8KB of memory** lets you store text documents and often-used phrases.

**Abbreviation Mode** lets you freely define often-needed phrases—like 'as soon as possible' and Sharp's entire address—as short abbreviations like 'asap' and 'SC'. Then simply type abbreviation and the entire phrase automatically prints out, saving you time, errors, and tedium.

**Auto Correct** key cleanly erases incorrect entries anywhere within the previous 650 characters (approx.)

**Automatic Justification** creates high quality documents.

**Centering Between Tabs** provides attractive column alignment.

**Boldface** type stands out for extra emphasis.

**Indent Both Sides** is easy by setting temporary left and right margins.

**Subscript** is useful in technical and other documents.

**Superscript** gives footnoting a professional look.

**Right Flush** is ideal for aligning dates, addresses and signatures.

**Centering Between Margins** plus

**Continuous Underline** efficiently makes titles and headlines.

**Decimal Tabulation** aligns numerical decimal points.

### Quick on, Quick switching

Simply insert the word processor disks in the floppy disk drives and turn on the power—the software is loaded automatically and ready for word processor use. If an urgent typing job comes up, switch from WP mode to typewriter mode via a single switch.

WP ▶ ET ▶ WP

## WP Professional Word Processor capabilities

The SHARPWRITER™ wordprocessing software, based on the highly acclaimed SAMNA WORD IV™ system, offers a variety of editing features.

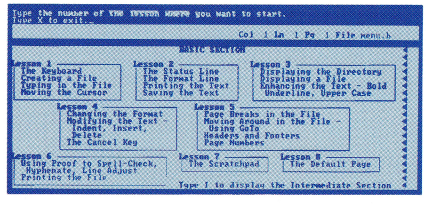
**Proof Dictionary** lets you quickly and automatically check your entire document for spelling errors and automatically correct misspellings.

**Block function** lets you save a copy of a specific block of text and insert it in a different location or delete the block.

**Automatic Merge** lets you create a mailing list file and a standard form letter or document. These files are then automatically combined to generate a unique letter or document for each of the people on your mailing list.

**Search and Replace** function finds a character, word or phrase located anywhere in the text, and replaces it with a new word or phrase.

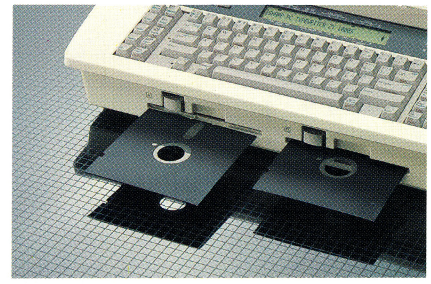
**Zoom (Preview)** allows you to view a full page in miniature to check its format and layout without having to print the entire page.



## PC Powerful Personal Computer Functions

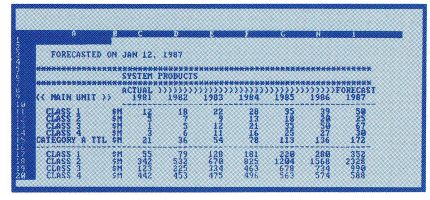
A full range of powerful computer functions gives the ZY-1000S the versatility of a personal computer.

**Generous 448KB of RAM***—expandable to 704KB via two 128KB RAM kits—provides ample computing power to process large data bases and spread sheets.



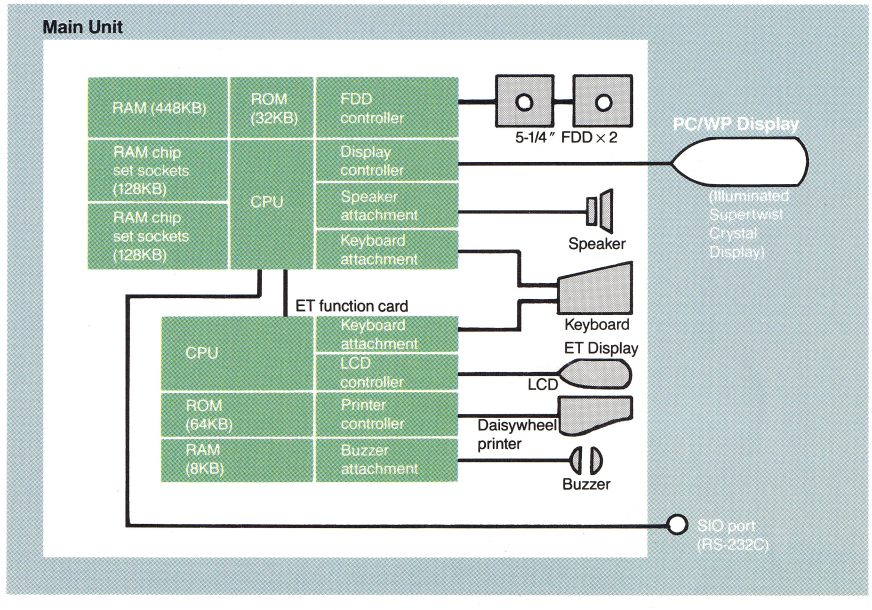
**Versatile MS-DOS®*** and two 320KB/360KB formatted, 5-1/4″ slim-line floppy disk drives ensure that you'll have access to the large library of software products designed for the IBM PC and compatibles.

**Communication Capability*** is ensured with an RS-232C port which allows easy connection to peripherals, other office equipment, or a modem for convenient information transfer.

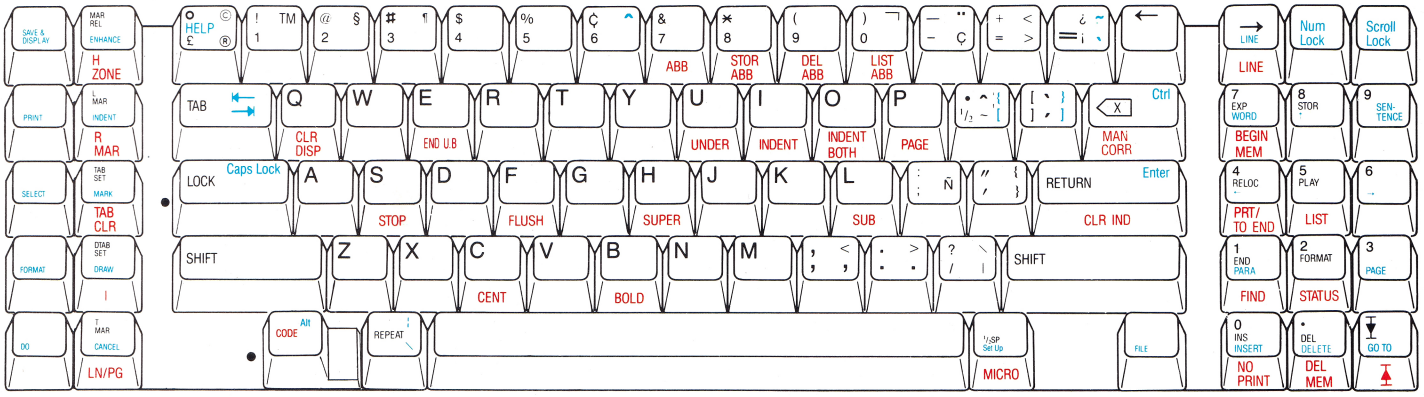


*** Word Processor and Personal Computer modes only.**

### System Configuration



# ZY-1000S




## SPECIFICATIONS

| HARDWARE | |
|---|---|
| CPU | PC: 80C86-2 (7.37MHz clock speed)<br>ET: 8-bit proprietary chip |
| MEMORY | PC: 448KB RAM, 32KB ROM<br>ET: 8KB RAM, 64KB ROM |
| FLOPPY DISK | 5-1/4″ FDD × 2 drives<br>320/360KB (formatted) per disk |
| DISPLAY | PC: Illuminated Supertwist Crystal Display<br>80 characters × 25 lines (640 × 200)<br>ET: LCD, 40 characters (5 × 12 dots/char.) |
| KEYBOARD | 84 full-stroke keys |
| I/O PORTS | PC: Serial I/O (RS-232C) |
| PRINTER | 22 cps, 112 character daisywheel<br>10, 12, 15, PS pitch (ET mode)<br>1, 1-1/2, 2, 3 line spacing (ET mode)<br>6 or 8 lines per inch (ET mode)<br>13.2″ writing line<br>17″ paper width |
| DIMENSIONS | 21-19/32″ (W) × 8-7/32″ (H) × 18-5/8″ (D)<br>[548(W) × 208(H) × 473(D)mm] (main unit) |
| WEIGHT | approx. 49 lbs. [22.2kg] (main unit) |
| POWER | 120 volts, 60Hz* |
| **SOFTWARE** | |
| WORD PROCESSING | SHARPWRITER™ by SAMNA ©** |
| OPTION | MS-DOS 2.11 |

*UL for USA and CSA for Canada
**Copyright by SAMNA Corporation

### ET Memory

| | |
|---|---|
| Internal memory | 8KB |
| Correction | 650 characters (approx.) |
| Line format memory | 10 addresses |
| Phrase memory | 100 addresses |
| Text memory | 26 addresses |

### ET Features at a Glance

Automatic Features

| | |
|---|---|
| Auto carrier return | Auto paper insert |
| Auto word wraparound | Top margin set |
| Justification | Auto page length |
| Decimal tabulation | Half & micro-spacing |
| Right flush | Express key |
| Vertical line tab | Repeat key |
| Centering — 3 ways | Relocate key |
| Continuous underline | No-print mode |
| Insert mode | Bold print |
| Display always ON | Hot zone adjust |
| String search | Impression control |
| Indent | Index/reverse index |
| Super/subscripts | Line advance |
| Memory listing | Stop code |
| Delete character | All tab clear |
| Abbreviation mode | Correction backspace |

Go to beginning/end of correction memory

| | |
|---|---|
| Removable platen | Glare shield |
| Self-charging battery backup system | Sound shield |
| Page end indicator | Scale |
| Paper supporter | |


•SAMNA WORD IV is a trademark of SAMNA Corporation
•MS-DOS is a registered trademark of Microsoft Corporation
•SHARPWRITER is a trademark of Sharp Electronics Corporation
•IBM is a registered trademark of International Business Machines Corporation; IBM PC is a trademark of International Business Machines Corporation.


Design and Specifications subject to change without notice.

SHARP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TELEX: LABOMET A-B J63428


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SHARP

SHARP ELECTRONICS CORPORATION

Sharp Plaza • P.O. Box 650 • Mahwah, N.J. 07430
Corporate Number (201) 529-8200 • Telex 134-327

Writer's Telephone Number (201) 529-

Thank you for your interest in the Sharp ZY-1000S PC/Typewriter. This product offers the integrated capabilities of a full featured word processor and an electronic typewriter in one compact unit. The footprint is no larger than a normal electronic typewriter. Yet, it will seem like you have three separate devices at your fingertips: a personal computer, word processor and electronic typewriter.

This unique product provides you with the versatility of an MS-DOS computer, the power of a word processor and the easy operation of an electronic typewriter. The word processor, SharpWriter, is a powerful professional level software package that is based on the well known SAMNA IV word processor. The keyboard has color coded keytop legends to give you the convenience of a standalone word processor. The electronic typewriter is as close as a "Switch" away with Sharp's unique computer switch. You can easily toggle between WP and ET applications without having to close files, exit software menus or interchange disks. In addition, you can utilize the MS-DOS compatible computer to run a full range of other business software at the same workstation.

The ZY-1000 is priced at $2299, suggested retail, which makes the product a real bargain compared to the separate prices for any two of its standalone counterparts. In addition, you benefit from the convenience of getting all your components from one company in an integrated and fully documented packaged offering. There is no need to connect peripherals, initialize computer hardware, configure and install software or search through three different user manuals to find the answer to a question.

Sharp is a recognized leader in consumer, office and industrial electronic products with worldwide sales in excess of 8 billion dollars. In addition to the ZY-1000, we offer a complete line of Electronic Typewriters and Desktop Calculators through our many Office Machine Dealers throughout the country. If you are interested in any of these products and would like a demonstration in your office, please contact us at (201) 529-8961 for the name of the Sharp Authorized dealer closest to you or consult your Yellow Pages for the Sharp Authorized Dealer listing.

We look forward to hearing from you at your earliest convenience.

Sincerely,

SHARP ELECTRONICS CORPORATION

Bill Maul
General Manager
Commercial Typewriter/Calculator Division